App. F. IX-4

Previous References

1926-27
(Medical)

298-28
File No. 298-28
Serial Nos. 1–5

Later References

General and Revenue Secretariat.

Serial Nos. 5

Part B for September 1929.

SUBJECT

Regarding the formation of Cinchona Plantation in the Shimoga District.

Office of the Chief Commissioner
of Coorg,

No. 919 Bangalore, the 10-3- 1928.

Med. 298-28-1

2269.

Five copies of the Report on Malaria in Coorg by Lieutenant Colonel T.C. McCombie Young, M.D., D.P.H., I.M.S. and J.D. Baily, I.M.D.

Forwarded with compliments to the Chief Secretary to the Government of His Highness the Maharaja of Mysore.

Major,
SECRETARY TO THE CHIEF COMMISSIONER.

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

3/ Pages 792, 793 & 784 of the report are worth perusal. I have pleasure in sending a copy to the C.C. of Trustees, also to Directors of Horticulture each being of the opinion that the suggestion made for the extension of the Cawthorne tree culture should be carried out — & there is little doubt but that practical work done on the lines indicated in our Stat

754/14/3

5288/17/3. 4/ For favour of kind perusal of the Members of the Committee. 5/6/13 12.3.13

4/ Members 13/3 8/6/13.

B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

6/ Please address the C/A accordingly

7/ Drafts 19/3

3

G.R.S. III—3] 15/2

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

8) Submitted with three drafts
Sd KP
19/3/28

9) Draws
VB 20/3

To the Legislative Counsel — for copy
PSI no 1118 of 28.3.28

Acknowledges the receipt of five copies of the report on malaria in Cong.

To the Director of Horticulture & Chief Conservator of Forests
No G. 10946-7 of 27.3.28
For a copy of the report containing the suggestions about the cultivation of cinchona could be adopted in the State

To the Imp Comm (Dr. Woodhead)
no f. 10948-9 of 27.3.28
For a copy of the report for information

for H
VB Imp
28/3/28

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form

General and Revenue Secretariat. Confd Saw File No. 27 of 1927.

Serial No.

From the Conservator of Forests
No. 23-2824-27 of 7.5.28
Reports on the proposals made by
Messrs J.C. McCombie & J.D. Bailey to
grow cinchona Succirubra &
extract thereform the febrifuge.

1(4) Send, With reference to the remarks made by Messrs J.C. McCombie & J.D. Bailey about the growth of cinchona trees locally, the Director of Agriculture & the Conservator of Forests were requested to state whether suggestions given in the report about the extension cinchona cultivation can be adopted in the State, They both are of opinion that it is not worthwhile to grow Cinchona Succirubra which yields a comparatively smaller quantity of quinine than cinchona Ledgeriana, They both intend experimenting on the different kinds of cinchona trees & their barks.

In Fo No. S. 781-3/Fl-189-27-7 dt 11.10.27 Govt have sanctioned the deputation of Mr. K.R. Venkata Rao, to Annamalais to study the raising of cinchona plantations and

†Pp. 192-4 of report

W

NOTE—Contn. sheet.

8778
V 9363

App. F. III—2]

(6

General and Revenue Secretariat.

File No. of 192

Serial No.

[This may be dealt with on the Forest section, if applied]

and their management as well as the harvest of the bark

1) Submitted for perusal and ~~orders~~. May the report further promised in the last para of PM's D be awaited.

15/5/28 Glossey)

K/ ~~H.S.~~

15/5

b) How about the deputation of an Officer that one goes?

RB 15/5/28.

H. KB 15/5

2) Subd:- No report of this relief has been received & it is subd that as the Madras Govt suggested that the best time ~~would~~ be for study would be between Aug & Nov:- the deputation is probably postponed to Aug

16-5-28 Glossey)

Forperusal

1) The Member

RB 18/5/28

MAY 1928 6805

Note—Contn. Sheet.

WD 01714—GPB—30,000—18-4-28

Serial No.

26/ Orders have been passed deputing Mr R-R- Venkata Rao, from the 1st week of August to study questions connected with the raising of cinchona plantations.

Further action on other matters, if any, has to be taken in the middle of Sept.

Mrs
5.8.29

27/ Submd. May a reminder be sent from the Chief Conservator in regard to the experiment referred to in the last para of his letter of 7.5.1928?

KO 6/8/29

28/ Yes. Please suggest a draft letter.

6/8

29/ Draft submd —

Mr KO 6/8/29

30/ Issued 6/8.

To the Chief Conservator of Forests

No 9 1942 dt 9.8.1929

Requests to state what action has so far been taken in the matter

Mrs
Mr KO
10/8/29

Note—Contn. Sheet

267

9363-29
1975 29

App. F. III—2]

General and Revenue Secretariat | Med. File No. 278 of 1929

Serial No.

From the Chief Conservator of F[illegible]
No. Dg 2481/28-29 of 24.9.29

Forwards a copy of letter of 28-8-29 from the Conservator of F[illegible] Kundga stating that the seeds obtained from Calcutta did not germinate and ~~so~~ that therefore no further investigation was possible.

Sub for perusal. The Chief Conservator states that Mr. K.R. Venkatar who ~~has~~ ~~proceeded~~ is now at Ooty to study the possibilities of cinchona plantations in the State, has secured some seeds & will try them on his return.

1988
25.9.29

24/9/29 (1st Member)

25/9/29

26.9.29

DYS BRANCH
SEP 1929

Note—Contn. Sheet

WD 01684—GPB—30,000—20-4-29

A. F. F. VI. G1]

SUBJECT..... Re Ops .....

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.....

3 Offs

Section Med

File No. 298-28

Serial No. 2

No. G.10946-7/C/1 and

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

the *192*

To The Director of Horticulture - The Bluff Conservator of Forests

Date of issue 27.3.28

Signed by Mr. M.J.S.

Sir

In forwarding herewith a copy of the Report on Malaria in Coorg by Lieut.-Col. T.C. McCombie Young M.D. D.P.H. Insp. & J.D. Rail I.M.D., I am directed to request you will be so good as to state whether

over -tm

List of enclosures.....

Copied by .....

Examined by .....

The suggestions contained on
pages 792 to 794 for the
extension elsewhere cultivation
of ~~cinchona trees~~ Cinchona could be
carried out ~~by them~~ adopted in the State, as good
done until some practical work should be
done in this respect.

Shance

Secretariat. 28/3

Jom
19/3/20

APP. F. VI. Gl.]

SUBJECT..... 2 cases

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2/3

Diary No. of letter replied to 7512

3 Offs

Section Med

File No. 298-28

Serial No. 3

No. G 10948-9/Gl/Med.

General and Revenue Secretariat

( )

the *192*

To

The Secretary

~~The~~ Director

Date of issue 27.3.28

Sir,

Signed by Mr. M.J.S

I am directed to forward herewith for your information a copy of the report on Madura by Lieut. Col. Mc Conaghey & J.C. Mc Combie young M.D. & D.M.S. & J.D. Baily I.M.D. and to request that you will kindly return the same when no longer required.

I have the honour to be,

Sir,

Your most obedient servant,

List of enclosures..... Hand Copies 2 Reports 2 Maps

Copied by.....

Examined by .....

for Secretary to Govt.

over

WD 0562—GPB—31,000—17-8-25

Sent 19/3/28

Telegraphic adress
"Horti., Bangalore."

DEPARTMENT OF HORTICULTURE,
MYSORE STATE.

No. 2232 Encl both

GENERAL MISCELLANEOUS BRANCH
18 APR. 1928

Lal-Bagh, Bangalore,
April 16, 1928 *192*

G M 8776

FROM

G. H. KRUMBIEGEL, ESQ., F.R.H.S.,
DIRECTOR OF HORTICULTURE IN MYSORE, LAL-BAGH,
BANGALORE.

To

R. RANGA RAO, Esq., B.A., B.L.,
General Secretary to the Government
of H.H. the Maharaja of Mysore,
Bangalore.

RR 18/4/28

Misc. 272-28

Sir,

With reference to your letter No. G 10946-7/Sany. dated 27th March 1928, I have the honour to state that the proposal made by Messrs: T.C. McCombie and J.D. Baily to grow Cinchona succirubra and to extract therefrom the ordinary febrifuge instead of manufacturing the sulphate of quinine does not appear to me a practical solution at least as far as it applies to our State.

Undoubtedly, if large areas of Cinchona succirubra existed, it would be worthwhile to use this for preparing the febrifuge: but as hardly any trees in the State now exist, it will certainly not be remunerative to grow this instead of the high yielding new varieties of Cinchona ledgeriana which contain a far greater percentage of quinine. I am already arranging to obtain bark from the various trees of Cinchona succirubra still existing in the Bababudans and shall have an analysis made of the quinine contents. I am also obtaining seeds from Northern Bengal of the better yielding varieties of Cinchona ledgeriana and these will be put under experimental cultivation during the coming planting season. I have no doubt that this can be grown with a fair amount of success. I shall also arrange to grow Cinchona succifubra along side of them

so

so as to see the difference in vegetative characters. It will then be possible to decide whether the inferior succifubra or the better yielding hybrids should be grown.

I have the honour to be,

Sir,

Your most obedient servant,

Director

1916 7½

B 29/4

TEL. ADDRESS "FORESTCON"

Chief
OFFICE OF THE CONSERVATOR OF FORESTS IN MYSORE,

No. 03-2824-27

Dated Bangalore, 7-5-1928.

mode. 298-28-4.

FROM

B. V. RAMAIENGAR, ESQ., B.A.,
Chief *Conservator of Forests in Mysore.*

GENERAL MISCELLANEOUS BRANCH
8 MAY 1928
Gen 9363

To

R. RANGA RAO, Esq., B.A., B.L.,
General Secretary to the Government of
H.H. the Maharaja of Mysore, Bangalore.

SIR,

RR 8/5

With reference to your letter No.S.10946-7 dated 27th March 1928, requesting me to state whether the suggestions on pages 792 to 794 of the Report on Malaria in Coorg, by Lieut. Col. Y. C. Mc. Combie Young, M. D., D.Ph., I.M.S. J.D.Bailey, M.D., for the extensive cultivation of Cinchona can be adopted in the State, I have the honour to state as follows:-

The cinchona species produce two kinds of barks, the one called the "Druggist's bark" and the other the "Factory bark". The first one is obtained in the form of quills from C. Succirubra, Cinchona Officinalis and Cinchona robusta and is used in the manufacture of galenial preparations. This bark is poor in quinine containing only 1½ to 3% and some amount of cinchonidine. There has been very little market for the bark for pharmaceutical use. The second one is obtained from cinchona Ledgeriana and the Hybrid (C.Led x C. succi) in the form of chips. These are rich in quinine containing as much as 10% and comparatively smaller quantities of other cinchona alkaloids. This is the bark that is used in the factories for the manufacture of quinine salts.

In India as well as outside, the chief demand is for quinine salts manufactured out of factory bark and not for the druggists. The total quantity of the latter bark

grown in India is all exported, while the quinine that is produced in the two factories of Madras and Bengal obtained from the factory bark of the trees grown in plantations in India is all consumed and in addition a large quantity is imported from outside. Thus the demand is for the factory bark of the Ledgeriana and Hybrid species.

Now, coming to the suggestions of the authors of the Report to grow Cinchona succirubra and prepare febrifuge for use in ordinary routine cases of malaria in dispensary practice, the authors themselves say "that the cultivation of Cinchona succirubra has fallen owing to the fashion in medical practice which led to the rejection, in favour of quinine, of the other alkaloids of the bark". However, it is a point for medical men to decide and it is outside my sphere to comment on it.

P 7,92

I am therefore of opinion that it is not worth-while to start the cultivation of the species which produce the druggist's bark but on the other hand the cultivation of the species which produces the factory bark, may with advantage be taken up in localities best suited for its growth.

The cultivation of the species is easy as it readily reproduces from seeds and cuttings and by systematic cultivation, its growth and propagation may be increased. The elevation most suited is between 2500' - 3500'.

The question of deputing an officer to study the possibilities of starting cinchona plantation in the State, in all its aspects and details has been sanctioned by Government.

In the meantime, the Conservator of forests, Shimoga and the District Forest Officer, Mysore, will be requested to get seeds and cuttings from the neighbouring plantation in Coorg and Madras and try them in small plots in suitable localities. The result of the experiment will be reported

reported to Government in due course.

I have the honour to be,

Sir,

Your most obedient servant,

B. F. Ramsay

Chief Conservator of Forests.

30/4

Appendix F G—1

SUBJECT.....

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7/8

Section Law Dept.

Diary No. of letter replied to... 9363

File No.

Serial No.

No. G. 1942

General and Revenue Secretariat

( )

the *192*

To The Chief Conservator of Fo

Date of issue... 9.8.29.

Signed by... M. N. D. Rao

Sir,

With reference to the last paragraph of your letter No D3-2826-27 of 7 in May, ~~about the formation of Cinchona plantations~~ in the Nilgiris &c. I am directed to request you to be so good as to state what action has been taken in the matter.

I have the

over

in the ~~matter~~ subject of the experimental cultivation of ~~Cinchona~~ the species of Cinchona which produces factory bark

List of enclosures.....

Copied by.....

Examined by.....

WD 063—GPB—20,000—1-8-29

8/8/29

Chief Secy to Govt

TEL. ADDRESS
"FORESTCON"

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS
IN MYSORE,

No. D3-244-2824-27 Dated, Bangalore, 21-9-1929

FROM

GENERAL MISCELLANEOUS BRANCH
R 1978
23 SEP 1929

B. V. RAMAIENGAR, ESQ., B.A.,
Chief Conservator of Forests in Mysore.

To

CHIEF SECRETARY.
21 SEP. 1929

R.Ranga Rao, Esquire, B.A., B.L.,
Offg. Chief Secretary to the Government
of Mysore, Bangalore.

med. 298-28-5.

SIR,

R&I 21.9.29

With reference to your letter No.G.1942/~~Secy~~. dated 9th August 1929 and subsequent reminder No.G.3233 dated 13th September 1929 regarding the formation of Cinchona Plantation in the Shimoga District, I have the honour to forward herewith for the information of Government a copy of letter No.B.4-201-1331-27 dated 28th August 29 received from the Conservator of Forests, Shimoga.

In this connection, I beg to state that Mr. K.R.VenkataRao who has been deputed from August 1929 to study the possibilities of starting cinchona plantations in the State is now at Ooty and is proceeding to Annamalais shortly and that after his return necessary action will be taken in the matter. In his letter dated 10-9-1929 this officer writes that he has secured some Cinchona ledgeriana seed which he will use in a nursery for raising seedlings on his return ~~frx~~ from Annamalais.

I have the honour to be,
Sir,
Your most obedient servant,

B. V. Ramaiengar

Chief Conservator of Forests.

Copy of letter No.B.4-201-1331-27 dated the 28th August 1929, from the Conservator of Forests, Shimoga, to the Chief Conservator of Forests in Mysore, Bangalore.

****

With reference to your Memo No.D.3-244-2824-27 dated the 17th instant requesting to report regarding the experimental cultivation of Cinchona in the Shimoga District. I have the honour to state that two ozs., of Cinchona Ledgeriana seeds obtained from the

the Superintendent Royal Botanical Gardens, Calcutta and sown in the Wood Yard nursery at Bhadravati did not germinate, and no further investigation was therefore possible.

******

TC/19-9-29

Chief Conservator of Forests.